

02107544 BLACK RIVER NEAR CURRIE, NC

LOCATION.--Lat 34°25'54", long 78°08'37", Pender County, Hydrologic Unit 03030005, at bridge on NC Highway 210, 3 mi above Moores Creek, and 3.25 mi southwest of Currie.

DRAINAGE AREA.--1,405 mi².

PERIOD OF RECORD.--March 2004 to September 2004.

GAGE.--Water-stage recorder and acoustic velocity meter. Datum of gage is at NGVD of 1929 (approximate). Satellite telemetry at station.

REMARKS.--Records fair. This site is strongly affected by astronomical and wind tides. The astronomical tides occur at primary harmonic periods of 12.42 hours and 24.8 hours. Mean daily discharge data for this site may be affected by aliasing due to tides and can contain fluctuations that are not representative of net downstream discharge.

EXTREMES FOR CURRENT WATER YEAR.--Maximum discharge, 3,610 ft³/s, Mar. 8, maximum gage height, 5.20 ft, Mar. 8; minimum discharge, -1,030, Aug. 1.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

| DAY | OCTOBER | | NOVEMBER | | DECEMBER | | JANUARY | | FEBRUARY | | MARCH | |
|-------|---------|-----|----------|-----|----------|-----|---------|-----|----------|-----|-------|-------|
| | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN |
| 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 3,020 | 2,380 |
| 2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 3,400 | 2,570 |
| 3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 3,530 | 2,810 |
| 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 3,440 | 2,910 |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 3,490 | 2,970 |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 3,470 | 2,960 |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 3,460 | 3,070 |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 3,610 | 2,900 |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 3,340 | 2,650 |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 3,190 | 2,500 |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 3,150 | 2,300 |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 2,940 | 2,070 |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 2,960 | 1,890 |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 2,870 | 1,650 |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 2,820 | 1,440 |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 2,560 | 1,150 |
| 17 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 2,540 | 1,200 |
| 18 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 2,400 | 962 |
| 19 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 2,220 | 989 |
| 20 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 2,110 | 797 |
| 21 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 2,000 | 732 |
| 22 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 2,250 | 764 |
| 23 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 2,080 | 569 |
| 24 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 2,160 | 536 |
| 25 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1,960 | 323 |
| 26 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 2,060 | 277 |
| 27 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1,980 | 159 |
| 28 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 2,030 | 104 |
| 29 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1,790 | 5.2 |
| 30 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1,720 | -53 |
| 31 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1,810 | 5.4 |
| MONTH | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 3,610 | -53 |

CAPE FEAR RIVER BASIN

02107544 BLACK RIVER NEAR CURRIE, NC—Continued

DISCHARGE, CUBIC FEET PER SECOND—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

| DAY | MAX | | MIN | | MAX | | MIN | | MAX | | MIN | |
|-------|-------|-------|-------|-------|--------|-----------|-------|------|-------|--------|-------|-------|
| | APRIL | MAY | JUNE | JULY | AUGUST | SEPTEMBER | MAX | MIN | MAX | MIN | MAX | MIN |
| 1 | 1,800 | 49 | 2,310 | 678 | 1,720 | -571 | 1,870 | -327 | 1,480 | -1,030 | 2,760 | 2,130 |
| 2 | 1,710 | -83 | 2,380 | 795 | 1,680 | -519 | 1,890 | -256 | 1,590 | -840 | 2,740 | 2,040 |
| 3 | 1,720 | -115 | 2,370 | 720 | 1,720 | -488 | 1,830 | -346 | 1,770 | -616 | 2,500 | 1,920 |
| 4 | 1,840 | -25 | 2,290 | 1,050 | 1,780 | -396 | 1,920 | -165 | 1,790 | -349 | 2,540 | 2,040 |
| 5 | 1,790 | -9.3 | 2,030 | 674 | 1,830 | -327 | 1,900 | -165 | 1,770 | -412 | 2,630 | 2,100 |
| 6 | 1,810 | -145 | 2,300 | 931 | 1,800 | -350 | 1,920 | -102 | 1,740 | -541 | 2,600 | 1,940 |
| 7 | 1,800 | -145 | 2,620 | 1,390 | 1,810 | -331 | 1,840 | -204 | 1,610 | -563 | 2,640 | 1,750 |
| 8 | 1,790 | -207 | 2,800 | 1,720 | 1,910 | -101 | 1,860 | -193 | 1,660 | -403 | 2,570 | 1,690 |
| 9 | 1,810 | -238 | 3,010 | 2,190 | 1,840 | -187 | 1,790 | -188 | 1,630 | -512 | 2,800 | 1,900 |
| 10 | 1,800 | -299 | 3,120 | 2,510 | 1,690 | -337 | 1,790 | -408 | 1,490 | -563 | 2,890 | 2,140 |
| 11 | 1,900 | -55 | 3,190 | 2,580 | 1,650 | -469 | 1,710 | -233 | 1,370 | -597 | 2,710 | 2,150 |
| 12 | 1,860 | -55 | 3,060 | 2,360 | 1,600 | -410 | 1,710 | -344 | 1,370 | -511 | 2,570 | 2,120 |
| 13 | 1,870 | 5.7 | 2,920 | 1,940 | 1,640 | -380 | 1,710 | -446 | 2,230 | -97 | 2,430 | 2,000 |
| 14 | 2,290 | 752 | 2,790 | 1,350 | 1,680 | -456 | 1,660 | -540 | 2,230 | 915 | 2,360 | 1,890 |
| 15 | 2,810 | 1,310 | 2,600 | 899 | 1,650 | -404 | 1,620 | -608 | 2,840 | 1,420 | 2,350 | 1,950 |
| 16 | 3,040 | 1,920 | 2,400 | 797 | 1,600 | -447 | 1,570 | -680 | 2,970 | 2,160 | 2,450 | 2,020 |
| 17 | 3,260 | 2,340 | 2,340 | 770 | 1,540 | -469 | 1,440 | -680 | 2,950 | 2,430 | 2,470 | 1,750 |
| 18 | 3,420 | 2,730 | 2,280 | 663 | 1,570 | -501 | 1,770 | -393 | 2,910 | 2,450 | 2,600 | 2,150 |
| 19 | 3,540 | 2,800 | 2,240 | 508 | 1,600 | -539 | 1,560 | -451 | 2,900 | 2,440 | 2,790 | 1,680 |
| 20 | 3,370 | 2,740 | 2,020 | 290 | 1,660 | -445 | 1,430 | -639 | 2,930 | 2,330 | 2,450 | 1,290 |
| 21 | 3,190 | 2,510 | 1,810 | 95 | 1,740 | -424 | 1,430 | -654 | 2,980 | 2,490 | 2,350 | 1,230 |
| 22 | 2,950 | 2,160 | 1,710 | -142 | 1,760 | -291 | 1,360 | -689 | 3,150 | 2,680 | 2,430 | 1,410 |
| 23 | 2,770 | 1,740 | 1,650 | -200 | 1,670 | -247 | 1,510 | -690 | 3,150 | 2,460 | 2,570 | 1,480 |
| 24 | 2,410 | 1,210 | 1,560 | -240 | 1,630 | -165 | 1,560 | -580 | 3,040 | 2,330 | 2,560 | 1,370 |
| 25 | 2,140 | 832 | 1,600 | -313 | 1,600 | -197 | 1,430 | -685 | 2,970 | 2,140 | 2,540 | 1,380 |
| 26 | 1,960 | 497 | 1,460 | -358 | 1,640 | -180 | 1,350 | -819 | 3,010 | 2,010 | 2,440 | 1,290 |
| 27 | 1,840 | 511 | 1,570 | -224 | 1,610 | -283 | 1,440 | -912 | 2,960 | 2,000 | 2,350 | 1,200 |
| 28 | 1,720 | 102 | 1,710 | -142 | 1,720 | -305 | 1,440 | -947 | 3,000 | 2,000 | 2,120 | 988 |
| 29 | 1,840 | 194 | 1,740 | -179 | 1,770 | -409 | 1,470 | -885 | 2,990 | 2,090 | 2,440 | 1,170 |
| 30 | 1,970 | 519 | 1,660 | -302 | 1,780 | -411 | 1,430 | -988 | 3,030 | 2,130 | 2,410 | 849 |
| 31 | --- | --- | 1,750 | -466 | --- | --- | 1,430 | -988 | 2,910 | 2,350 | --- | --- |
| MONTH | 3,540 | -299 | 3,190 | -466 | 1,910 | -571 | 1,920 | -988 | 3,150 | -1,030 | 2,890 | 849 |

